

Submit 1 Copy To Appropriate District Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised August 1, 2011

WELL API NO. 30-059-20545	
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>	
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name Bravo Dome 1935	
8. Well Number 362	
9. OGRID Number 16696	
10. Pool name or Wildcat Bravo Dome	
SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	
2. Name of Operator Oxy USA Inc.	
3. Address of Operator PO Box 4294, Houston TX 77210	
4. Well Location Unit Letter K : 1700 feet from the South line and 1700 feet from the West line Section 36 Township 19N Range 35E NMPM County UNION	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4452.9 GR	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☒ P AND A ☐
CASING/CEMENT JOB ☒

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

See Attached

Spud Date:

8/29/11

Rig Release Date:

9/1/11

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

L. Lockett

TITLE

Reg. Analyst

DATE

3/30/12

Type or print name
For State Use Only

L. Kiki Lockett

E-mail address:

kiki-lockett@oxy.com

PHONE:

713-215-7643

APPROVED BY:

Ed Martin

TITLE

DISTRICT SUPERVISOR

DATE

8/29/2012

Conditions of Approval (if any):

Operation Summary Report

Well: BRAVO DOME UNIT 1935 362K

Event Name: DEV DRILLING

Project: BRAVO DOME

Prim. Reason: ORIG DRILL VERT

Site: BRAVO DOME C02 UNIT

Start Date: 8/29/2011

End Date: 9/1/2011

Rig Name: TRINIDAD 208

#	Date	Time Start-End	Hrs	Op Details
1	08/28/2011	15:00 - 00:00	9.00	WAIT ON TRUCKS, AND DAY LIGHT.
2	08/29/2011	00:00 - 07:00	7.00	WAIT ON TRUCKS, AND DAY LIGHT.
		07:00 - 07:30	0.50	PJSM WITH RIG CREW AND DRIVERS: STOP WORK AUTHORITY, TAG LINES, FALL PROTECTION, 5 MPH ON LOCATION, 30' BUFFER WHILE LOADING/UNLOADING, PPE
		07:30 - 12:30	5.00	BEGIN MOVING TO BDU 1935-362K, MADE SURE ALL HIGH LINE SIGNS WERE OUT. DERRICK LEFT LOCATION @ 10:00 AM. EVERYTHING WAS OFF LOCATION BY 12:45 10:00 HOURS SAFETY BREAK: DISCUSSED REFRESHER ON SAFETY REQUIREMENTS FOR DRIVERS AND RIG HANDS. REMINDED TRUCKERS TO USE SPOTTERS WHILE BACKING
		12:30 - 16:30	4.00	MOVE IN AND RIG UP. DERRICK UP @ 13:00. MIX SPUD MUD, MAKE UP BIT, AND STRAP BHA. 14:30 HOURS RIG 100% ON LOCATION ACCEPTED RIG @ 15:30 HOURS 14:00 HOURS SAFETY BREAK: DISCUSSED FOR HYDRATION, AND RIGGING UP.
		16:30 - 17:30	1.00	CONTINUE TO MIX SPUD MUD AND GET READY TO SPUD IN.
		17:30 - 21:30	4.00	DRILL 12.25" SURFACE HOLE FROM GL TO 402', CUT 402' AVG 100.5' FPH CIRC STEEL PITS TO 150', RET TO RESERVE, 75 RPM, 25K WOB, 340 GPM. 700 PSI PUMP PRES. MW 8.5 VIS 38 DROP SOAP STICKS EVERY CONNECTION & PUMP SWEEP AND SWEEP STICK EVERY THIRD.
		21:30 - 00:00	2.50	DRILL 12.25" SURFACE HOLE FROM 402' TO 572', CUT 170' AVG 68' FPH CIRC RESERVES, 65 RPM, 15K WOB, 340 GPM. 760 PSI PUMP PRES. MW 8.5 VIS 38 SURVEY @ 400 = 0.5 DROP SOAP STICKS EVERY CONNECTION & PUMP SWEEP AND SWEEP STICK EVERY THIRD.
3	08/30/2011	00:00 - 03:30	3.50	DRILL 12.25" SURFACE HOLE FROM 572' TO 800', CUT 228' AVG 65' FPH CIRC RESERVES, 65 RPM, 15K WOB, 340 GPM. 760 PSI PUMP PRES. MW 8.5 VIS 38 DROP SOAP STICKS EVERY CONNECTION & PUMP SWEEP AND SWEEP STICK EVERY THIRD.
		03:30 - 04:00	0.50	PUMP HI VIS SWEEP, CIRC HOLE CLEAN
		04:00 - 07:30	3.50	WHILE CIRCULATING, LOST TOTAL RETURNS. REDUCED PUMP RATE AND RECIPROCATED PIPE. SPOKE TO FIELD SUPERINTENDENT AND MIXED 100 BBL FULL LOSS LCM PILL AS FOLLOWS. NOTE: WHILE MIXING UP LCM PILL NOTICED WE HAD 30K DRAG. I HAD THE CREW PUMP VISCOUS SWEEP TO CLEAN HOLE AND GOT BACK 65% INCREASE IN CUTTINGS RANGING FROM 1/16" TO 1/8" IN DIAMETER. HOLE CAME CLEAN AND WE CONTINUED ON AS PLANNED. BENTONITE: 25 SKS CEDAR FIBER: 38 SKS FIBER SEAL: 38 SKS PECAN NUT PLUG: 30 SKS WHILE MIXING PILL, DUMPED DRILLING PAPER AND CEDAR FIBER AT SUCTION. GAINED FULL RETURNS @ APPROX. 40 BBLs PUMPED. DECISION WAS MADE TO SPOT 40 BBL LCM PILL PRIOR TO TOH FOR CASING RUN.
		07:30 - 09:00	1.50	MADE A WIPER TRIP TO MAKE SURE THE HOLE WAS FREE AND CLEAR FOR OUR FUTURE CASING JOB. WHEN TRIPPING BACK IN THE HOLE HAD TO WASH AND REAM 30' FROM 650' TO 680'.
		09:00 - 10:00	1.00	PUMP A VISCOUS SWEEP WITH 10PPB. LCM. GOT BACK ABOUT A 10% INCREASE IN CUTTINGS, AND FINISHED CIRCULATING WITH 1X BOTTOMS UP AND SPOTTING A PILL. HOLE WAS CLEAN.
		10:00 - 11:00	1.00	TRIP OUT OF THE HOLE TO RUN SURFACE CASING WITH NO PROBLEMS. SURVEY @ 800' .75"
		11:00 - 13:00	2.00	PJSM - RIG UP & RUN 18 JTS. 8 5/8", 24#, J-55, ST & C, SURFACE CASING: 1 - 8 5/8" TEXAS PATTERN SHOE - .50' 1 - SHOE JOINT 1 - INSERT FLOAT

Operation Summary Report

Well: BRAVO DOME UNIT 1935 362K
 Project: BRAVO DOME
 Site: BRAVO DOME C02 UNIT

Event Name: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT
 Start Date: 8/29/2011
 End Date: 9/1/2011

Rig Name: TRINIDAD 208

#	Date	Time Start-End	Hrs	Op Details
		13:00 - 13:30	0.50	RIG UP HALLIBURTON CEMENT HEAD, AND CIRCULATE 2X BOTTOMS UP
		13:30 - 14:30	1.00	PJSM WITH HALLIBURTON AND RIG CREWS. PUMP A 20 BBL FRESH WATER SPACER - PUMP RATE = 5 BBL/MIN PUMPED 120 BBLs (500 SACKS) OF 14.8 PRG PREMIUM PLUS CEMENT - 2% CaCl ₂ - 0.25 lbm/sk Poly-E-Flake - YIELD: 1.35 CUFT/SACK - PUMP RATE = 6 BBL/MIN - PRESSURE = 140 PSI DISPLACED WITH 46 BBLs OF FRESH WATER - PUMP RATE = 5.5 BBL/MIN - PRESSURE = 302 PSI - FINAL @ 2BPM = 302 PSI BUMPED PLUG @ 14:36 AND PRESSURED UP TO 640 PSI HELD FOR 5 MIN. GOT BACK .5 BBL TO TRUCK FLOATS HELD. FULL RETURNS THROUGHOUT JOB GOT BACK 56 BBL (233 SKS) TO SURFACE.
		14:30 - 15:00	0.50	RIG DOWN HALLIBURTON
		15:00 - 18:30	3.50	WOC, CLEAN PITS, CELLAR, AND MIX MUD
		18:30 - 22:30	4.00	RD CEMENTING HEAD, LD LANDING JT. INSTALL WELL HEAD. NU BOPE SLIP AND CUT DRILL LINE, REPLACE COMPRESSOR ON RIG FLOOR
		22:30 - 00:00	1.50	FINISH N/U BOP AND MU TEST PLUG TO 5.5" CASING JT. TEST BOP TO 250 PSI LO, 1000 PSI HI. GOOD TEST.
4	08/31/2011	00:00 - 01:30	1.50	MAKE UP 7 7/8" PRODUCTION ASSEMBLY AND TRIP IN THE HOLE TO TOP OF CEMENT @ 730'. INSTALLED STRIPPING RUBBER SAFETY BREAK: HANDLING PIPE
		01:30 - 03:30	2.00	DRILL TO FLOAT AND PRESSURE TEST CASING TO 1000 PSI FOR 30 MINUTES. TEST GOOD. DRILL OUT FLOAT AND CEMENT
		03:30 - 06:00	2.50	DRILL 7.875" SURFACE HOLE FROM 800' TO 980', CUT 180' AVG 72' FPH CIRC STEEL PITS, 65 RPM, 30K WOB, 340 GPM. 940 PSI PUMP PRES. MW 8.5 VIS 38 DROP SWEEP STICKS 3RD EVERY CONNECTION & PUMP SWEEP AS NEEDED
		06:00 - 10:00	4.00	DRILL 7.875" SURFACE HOLE FROM 980' TO 1141', CUT 161' AVG 40' FPH CIRC STEEL PITS, 65 RPM, 30K WOB, 340 GPM. 940 PSI PUMP PRES. MW 8.5 VIS 38 DROP SWEEP STICKS 3RD EVERY CONNECTION & PUMP SWEEP AS NEEDED SAFETY BREAK: DISCUSSED GOOD COMMUNICATION
		10:00 - 14:00	4.00	DRILL 7 7/8" PROD HOLE F 1141' TO 1385', CUT 244', AVG 61' FPH, 35/40K WOB, 70 RPM, 340 GPM, 1035 PSI PUMP PRES. CIRC RESERVE PIT MW 8.9 VIS 36 SURVEY @ 1276 = 1° DROP SOAP STICKS EVERY CONNECTION & PUMP SWEEP AND SWEEP STICK EVERY THIRD.
		14:00 - 18:00	4.00	DRILL 7 7/8" PROD HOLE F 1385' TO 1520', CUT 135', AVG 34' FPH, 35/40K WOB, 70 RPM, 340 GPM, 1035 PSI PUMP PRES. CIRC RESERVE PIT MW 8.9 VIS 36 1600: VEHICLE INCIDENT. WHILE MOVING MUD WITH FORKLIFT, HAND BACKED INTO A PARKED WATER TRUCK. NO INJURIES AND REPORT WAS FILED WITH OXY SAFETY REP AND FIELD SUPERINTENDENT. DROP SOAP STICKS EVERY CONNECTION & PUMP SWEEP AND SWEEP STICK EVERY THIRD.

Operation Summary Report

Well: BRAVO DOME UNIT 1935 362K

Event Name: DEV DRILLING

Project: BRAVO DOME

Prim. Reason: ORIG DRILL VERT

Site: BRAVO DOME C02 UNIT

Start Date: 8/29/2011

End Date: 9/1/2011

Rig Name: TRINIDAD 208

#	Date	Time Start-End	Hrs	Op Details
		18:00 - 22:00	4.00	DRILL 7 7/8" PROD HOLE F 1520' TO 1845', CUT 325', AVG 81' FPH, 35/40K WOB, 70 RPM, 340 GPM, 1035 PSI PUMP PRES. CIRC RESERVE PIT MW 9.1 VIS 32 SURVEY @ 1762 = .75° DROP SOAP STICKS EVERY CONNECTION & PUMP SWEEP AND SWEEP STICK EVERY THIRD.
		22:00 - 00:00	2.00	DRILL 7 7/8" PROD HOLE F 1845' TO 1971', CUT 126', AVG 63' FPH, 35/40K WOB, 70 RPM, 340 GPM, 1035 PSI PUMP PRES. CIRC RESERVE PIT MW 9.0 VIS 39 DROP SOAP STICKS EVERY CONNECTION & PUMP SWEEP AND SWEEP STICK EVERY THIRD.
5	09/01/2011	00:00 - 04:00	4.00	DRILL 7 7/8" PROD HOLE F 1971' TO 2134', CUT 163', AVG 41' FPH, 35/40K WOB, 70 RPM, 340 GPM, 1035 PSI PUMP PRES. CIRC RESERVE PIT MW 9.0 VIS 39 CIMARRON IDENTIFIED @ 1988' - 2011' DROP SOAP STICKS EVERY CONNECTION & PUMP SWEEP AND SWEEP STICK EVERY THIRD.
		04:00 - 04:30	0.50	DRILL 7 7/8" PROD HOLE F 2134' TO 2161', CUT 27', AVG 54' FPH, 35/40K WOB, 70 RPM, 340 GPM, 1035 PSI PUMP PRES. CIRC RESERVE PIT MW 9.0 VIS 39 DROP SOAP STICKS EVERY CONNECTION & PUMP SWEEP AND SWEEP STICK EVERY THIRD.
		04:30 - 05:30	1.00	PUMP A VISCOUS SWEEP AND CIRCULATE 2 X BOTTOMS UP TO CLEAN HOLE FOR 5.5" CSG
		05:30 - 08:30	3.00	TOH TO RUN 5.5" PRODUCTION CASING SURVEY @ 2161 = 2°
		08:30 - 09:00	0.50	RIG UP CRT AND PJSM WITH RIG CREW ON RUNNING CASING
		09:00 - 11:00	2.00	RUN 5 1/2" PRODUCTION CASING TO 2146' - GUIDE SHOE - 2146' - 10' SHOE JOINT - 2145' - INSERT FLOAT - 2135' - 53 JTS OF 5 1/2" 15.5# J-55 LTC FROM 2135' TO SURFACE
		11:00 - 12:00	1.00	RIG UP HALLIBURTON CEMENT HEAD, AND CIRC 2X BOTTOMS UP. PJSM WITH HALLIBURTON AND RIG CREW.
		12:00 - 13:30	1.50	PUMPED CEMENT JOB AS FOLLOWS: - 20 BBL FRESH WATER SPACER AT 5.5 BBL/MIN AND 175 PSI - 202.5 BBL OF PREMIUM PLUS MIDCON 2 W/2% CC, LEAD CEMENT - 11.1 PPG - YIELD = 3.25 CUFT/SACK - .25 LBM POLY-E-FLAKE - PUMP RATE = 8 BBL/MIN - PUMP PRESSURE = 350 PSI - 49.4 OF PREMIUM PLUS MIDCON W/2% CC - 13.2 PPG - YIELD = 1.85 CUFT/SACK - .25 LBM POLY-E-FLAKE - PUMP RATE = 8 BBL/MIN - PUMP PRESSURE = 200 PSI - DISPLACE WITH 50.8 BBLs OF FRESH WATER BUMPED PLUG AT 1069 PSI RETURNED 0.5 BBL TO TRUCK, FLOAT HELD CIRCULATED 132 BBL (228SKS) TO SURFACE RIG DOWN HALLIBURTON
		13:30 - 17:00	3.50	BACKED OUT LANDING JOINT NIPPLE DOWN BOP, AND JET PITS. RELEASE RIG TO THE BDU 1835-102G @ 17:00 HOURS

OXY USA INC
Casing Report

Well: BRAVO DOME UNIT 1935 362K	Event Name: DEV DRILLING	Report Date: 9/1/2011
Project: BRAVO DOME	Prim. Reason: ORIG DRILL VERT	Report No.: 2
Site: BRAVO DOME C02 UNIT	Start Date: 8/29/2011	Wellbore: 00
Active Datum: Original KB @4,459.90ft (above Mean Sea Level)	End Date: 9/1/2011	

Assembly	Casing Flange	Status History
Assembly Name: PRODUCTION CASING Nom. Size: 5.500 (in) Top MD: 7.00 (ft) Landed MD: 2,146.45 (ft) Assembly Length: 2,139.45 (ft) Liner Overlap:	Manufacturer: VETCO GRAY Model: VG CWCT Hanger Model: Packoff Model: Top Flange Size/Rating: 9.000 (in)/3000 (psi) Btm Flange Size/Rating:	9/1/2011 INSTALLED

Component Name	Jts	Length (ft)		Btm MD (ft)	Nominal OD (in)	Nominal ID (in)	Drift ID (in)	Weight (ppf)	Grade	Threads	Manufacturer	Model	Serial No.	Cond
	1	0.70	7	7.70	5.500	4.950	4.825							
CASING JOINT(S)	52	2,127.52	8	2,135.22	5.500	4.950	4.825	15.50	J-55	STC				
INSERT FLOAT	1	0.00	2135	2,135.22	5.500	4.950	4.825							
SHOE JOINT	1	10.48	2135	2,145.70	5.500	4.950	4.825	15.50	J-55	STC				
GUIDE SHOE	1	0.75	2146	2,146.45	5.500	4.950	4.825							

Remarks

OXY USA INC

Casing Report

Well: BRAVO DOME UNIT 1935 362K	Event Name: DEV DRILLING	Report Date: 9/1/2011
Project: BRAVO DOME	Prim. Reason: ORIG DRILL VERT	Report No.: 2
Site: BRAVO DOME C02 UNIT	Start Date: 8/29/2011	Wellbore: 00
Active Datum: Original KB @4,459.90ft (above Mean Sea Level)	End Date: 9/1/2011	

Assembly			Casing Flange		Status History	
Assembly Name: PRODUCTION CASING	Weight in Slips:		Manufacturer: VETCO GRAY		9/1/2011	INSTALLED
Nom. Size: 5.500 (in)	Hours Circ:		Model: VG CWCT			
Top MD: 7.00 (ft)	Fluid Lost:		Hanger Model:			
Landed MD: 2,146.45 (ft)	Vol Fluid Lost:		Packoff Model:			
Assembly Length: 2,139.45 (ft)			Top Flange Size/Rating: 9.000 (in)/3000 (psi)			
Liner Overlap:			Btm Flange Size/Rating:			

Components														
Component Name	Jts	Length (ft)		Btm MD (ft)	Nominal OD (in)	Nominal ID (in)	Drift ID (in)	Weight (ppf)	Grade	Threads	Manufacturer	Model	Serial No.	Cond.
	1	0.70	7	7.70	5.500	4.950	4.825							
CASING JOINT(S)	52	2,127.52	8	2,135.22	5.500	4.950	4.825	15.50	J-55	STC				
INSERT FLOAT	1	0.00	2135	2,135.22	5.500	4.950	4.825							
SHOE JOINT	.1	10.48	2135	2,145.70	5.500	4.950	4.825	15.50	J-55	STC				
GUIDE SHOE	1	0.75	2146	2,146.45	5.500	4.950	4.825							

Remarks														

OXY USA INC

Casing Report

Well: BRAVO DOME UNIT 1935 362K	Event Name: DEV DRILLING	Report Date: 8/29/2011
Project: BRAVO DOME	Prim. Reason: ORIG DRILL VERT	Report No.: 1
Site: BRAVO DOME C02 UNIT	Start Date: 8/29/2011	Wellbore: 00
Active Datum: Original KB @4,459.90ft (above Mean Sea Level)	End Date: 9/1/2011	

Assembly	Casing Flange	Status/History
Assembly Name: SURFACE CASING Nom. Size: 8.625 (in) Top MD: 7.00 (ft) Landed MD: 786.97 (ft) Assembly Length: 779.97 (ft) Liner Overlap:	Manufacturer: Model: Hanger Model: Packoff Model: Top Flange Size/Rating: Btm Flange Size/Rating:	8/29/2011 INSTALLED

Components														
Component Name	Jts	Length (ft)		Btm MD (ft)	Nominal OD (in)	Nominal ID (in)	Drift ID (in)	Weight (ppf)	Grade	Threads	Manufacturer	Model	Serial No.	Cond
CASING JOINT(S)	18	735.57	7	742.57	8.625	8.097	7.972	24.00	J-55, LT	8RD				NEW
INSERT FLOAT	1	0.00	743	742.57	8.625	8.097	7.972	24.00	J-55, LT	8RD				NEW
SHOE JOINT	1	43.40	743	785.97	8.625	8.097	7.972	24.00	J-55, LT	8RD				NEW
TEXAS PATTERN SHOE	1	1.00	786	786.97	8.625	8.097	7.972	24.00	J-55, LT	8RD				NEW

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Remarks

PRIMARY Cementing Report

Well: BRAVO DOME UNIT 1935 362K	Event Name: DEV DRILLING	Report Date: 8/29/2011
Project: BRAVO DOME	Prim. Reason: ORIG DRILL VERT	Report No.: 1
Site: BRAVO DOME C02 UNIT	Start Date: 8/29/2011	Wellbore: 00
Active Datum: Original KB @4,459.90ft (above Mean Sea Level)	End Date: 9/1/2011	

General Job Information

Contractor: HALLIBURTON	Cemented Assembly: SURFACE CASING	Actual TOC MD: 7.00 (ft)
WOC Time:	Assembly Size: 8.625 (in)	TOC Locate Method: Cmt Returns at Surf
Foam: N	Assembly Btm MD: 787 (ft)	
Cement:		
Not Ready to FN	Assembly Set Date: 08/29/2011	Total Slurry in Well:
Static BHT:	Hole Size: 12.250 (in)	Excess Slurry Volume: 120.2 (bbl)
Returns: Full	Volume Lost:	Est Cmt Vol Returns to Surf: 56.0 (bbl)

Pipe Movement - No Movement

Rotating		Reciprocating	
Rotating Start:	Init Rot. Torque: (ft-lbf)	Reciprocate Start:	Stroke Length:
Rotating End:	Avg Rot. Torq.:	Reciprocate End:	Drag Wt. Up:
Rotating RPM:	Max Rot. Torq.:	Reciprocate SPM:	Drag Wt. Down:

Stage 1 - Primary 7 - 787 ft

CTU Used:	Top Plug Used: Y	Annular Flow:	Press. Prior to Bump:
Circulate Prior:	Bottom Plug Used:	Ann Press Held: Y	Bump Press.:
Circulate Flow Rate:	Bumped Plug: N	Float Held: Y	Press. Over Pumping:
Circulate Press:	Plug Catcher Used:	Pill Spotted Below Plug:	Duration Press. Held:

FRESH WATER

Pumping Start: 13:47	Slurry Type:	Total Slurry Volume:	Slurry Top MD:
Pumping End: 13:49	Class:	Excess Slurry Percent:	Slurry Btm MD:
Rate: 5.00 (bbl/min)	Density: 8.33 (ppg)	Excess Measured By:	Total Water Vol Used:
Foam Job:	Yield:	Mix Water Ratio:	Actual Sacks Used:
		Mix Method:	

CEMENT

Pumping Start: 13:50	Slurry Type:	Total Slurry Volume: 120.2 (bbl)	Slurry Top MD:
Pumping End: 14:14	Class: PREM PLUS	Excess Slurry Percent: 100.00 (%)	Slurry Btm MD:
Rate: 7.00 (bbl/min)	Density: 14.80 (ppg)	Excess Measured By:	Total Water Vol Used: 75.6 (bbl)
Foam Job:	Yield: 1.3500 (ft ³ /sk)	Mix Water Ratio: 6.350 (gal/sk94)	Actual Sacks Used: 500
		Mix Method:	
<u>Additive Name</u>	<u>Additive Type</u>	<u>Additive Conc.</u>	<u>Additive Amount</u>
CALC2	ACCELERATOR	2.000 % BWOC	19.00 Sacks
POL-E FLAKES	CIRCULATION LOSSES	0.250 lbs/sk	125.00 lbs

FRESH WATER

Pumping Start: 14:17	Slurry Type:	Total Slurry Volume:	Slurry Top MD:
Pumping End: 14:31	Class:	Excess Slurry Percent:	Slurry Btm MD:
Rate: 6.00 (bbl/min)	Density: 8.33 (ppg)	Excess Measured By:	Total Water Vol Used:
Foam Job:	Yield:	Mix Water Ratio:	Actual Sacks Used:
		Mix Method:	

PRIMARY Cementing Report

Well: BRAVO DOME UNIT 1935 362K	Event Name: DEV DRILLING	Report Date: 9/1/2011
Project: BRAVO DOME	Prim. Reason: ORIG DRILL VERT	Report No.: 2
Site: BRAVO DOME C02 UNIT	Start Date: 8/29/2011	Wellbore: 00
Active Datum: Original KB @4,459.90ft (above Mean Sea Level)	End Date: 9/1/2011	

General Job Information

Contractor: HALLIBURTON	Cemented Assembly: PRODUCTION CASING	Actual TOC MD: 7.00 (ft)
WOC Time:	Assembly Size: 5.500 (in)	TOC Locate Method: Cmt Returns at Surf
Foam: N	Assembly Btm MD: 2146 (ft)	
Cement:		
Not Ready to FN	Assembly Set Date: 09/01/2011	Total Slurry in Well:
Static BHT:	Hole Size: 7.875 (in)	Excess Slurry Volume: 1,008.1 (bbl)
Returns: Full	Volume Lost:	Est Cmt Vol Returns to Surf: 363.0 (bbl)

Pipe Movement - No Movement

Rotating		Reciprocating	
Rotating Start:	Init Rot. Torque: (ft-lbf)	Reciprocate Start:	Stroke Length:
Rotating End:	Avg Rot. Torq.:	Reciprocate End:	Drag Wt. Up:
Rotating RPM:	Max Rot. Torq.:	Reciprocate SPM:	Drag Wt. Down:

Stage 1 - Primary

7 - 2,146 ft

CTU Used:	Top Plug Used: Y	Annular Flow:	Press. Prior to Bump: 650 (psi)
Circulate Prior:	Bottom Plug Used:	Ann Press Held: Y	Bump Press.: 990 (psi)
Circulate Flow Rate:	Bumped Plug: Y	Float Held: Y	Press. Over Pumping: 340 (psi)
Circulate Press:	Plug Catcher Used:	Pill Spotted Below Plug:	Duration Press. Held: 5.0 (min)

FRESH WATER

Pumping Start: 12:09	Slurry Type: SPACER	Total Slurry Volume: 0.0 (bbl)	Slurry Top MD:
Pumping End: 12:11	Class:	Excess Slurry Percent:	Slurry Btm MD:
Rate: 8.00 (bbl/min)	Density: 8.30 (ppg)	Excess Measured By:	Total Water Vol Used: 0.0 (bbl)
Foam Job:	Yield:	Mix Water Ratio:	Actual Sacks Used:
		Mix Method:	

LEAD CEMENT

Pumping Start: 12:12	Slurry Type: CEMENT	Total Slurry Volume: 202.6 (bbl)	Slurry Top MD:
Pumping End: 12:35	Class: 50/50 PREM	Excess Slurry Percent: 400.00 (%)	Slurry Btm MD:
Rate: 5.00 (bbl/min)	Density: 11.10 (ppg)	Excess Measured By:	Total Water Vol Used: 170.3 (bbl)
Foam Job:	Yield: 3.2500 (ft ³ /sk)	Mix Water Ratio: 20.440 (gal/sk94)	Actual Sacks Used: 350
		Mix Method:	
<u>Additive Name</u>	<u>Additive Type</u>	<u>Additive Conc.</u>	<u>Additive Amount</u>
CALC2	ACCELERATOR	2.000 % BWOC	20.00 Sacks
POL-E FLAKES	CIRCULATION LOSSES	0.250 lbs/sk	128.00 lbs

TAIL CEMENT

Pumping Start: 12:36	Slurry Type: CEMENT	Total Slurry Volume: 49.4 (bbl)	Slurry Top MD:
Pumping End: 12:46	Class: 50/50 PREM	Excess Slurry Percent: 400.00 (%)	Slurry Btm MD:
Rate: 5.00 (bbl/min)	Density: 13.20 (ppg)	Excess Measured By:	Total Water Vol Used: 35.5 (bbl)
Foam Job:	Yield: 1.8500 (ft ³ /sk)	Mix Water Ratio: 9.950 (gal/sk94)	Actual Sacks Used: 150
		Mix Method:	
<u>Additive Name</u>	<u>Additive Type</u>	<u>Additive Conc.</u>	<u>Additive Amount</u>
CALC2	ACCELERATOR	2.000 % BWOC	6.00 Sacks
POL-E FLAKES	CIRCULATION LOSSES	0.250 lbs/sk	38.00 lbs

FRESH WATER

Pumping Start: 12:49	Slurry Type: DISPLACEMENT	Total Slurry Volume: 0.0 (bbl)	Slurry Top MD:
Pumping End: 12:59	Class:	Excess Slurry Percent:	Slurry Btm MD:
Rate: 8.00 (bbl/min)	Density: 8.30 (ppg)	Excess Measured By:	Total Water Vol Used: 0.0 (bbl)
Foam Job:	Yield:	Mix Water Ratio:	Actual Sacks Used:
		Mix Method:	

PRIMARY Cementing Report

Well: BRAVO DOME UNIT 1935 362K
 Project: BRAVO DOME
 Site: BRAVO DOME C02 UNIT
 Active Datum: Original KB @4,459.90ft (above Mean Sea Level)

Event Name: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT
 Start Date: 8/29/2011
 End Date: 9/1/2011

Report Date: 9/1/2011
 Report No.: 2
 Wellbore: 00

General Job Information

Contractor: HALLIBURTON	Cemented Assembly: PRODUCTION CASING	Actual TOC MD: 7.00 (ft)
WOC Time:	Assembly Size: 5.500 (in)	TOC Locate Method: Cmt Returns at Surf
Foam: N	Assembly Btm MD: 2146 (ft)	
Cement:	Assembly Set Date: 09/01/2011	Total Slurry in Well:
Not Ready to N	Hole Size: 7.875 (in)	Excess Slurry Volume: 1,008.1 (bbl)
Static BHT:	Volume Lost:	Est Cmt Vol Returns to Surf: 363.0 (bbl)
Returns: Full		

Pipe Movement - No Movement

Rotating		Reciprocating	
Rotating Start:	Init Rot. Torque: (ft-lbf)	Reciprocate Start:	Stroke Length:
Rotating End:	Avg Rot. Torq.:	Reciprocate End:	Drag Wt. Up:
Rotating RPM:	Max Rot. Torq.:	Reciprocate SPM:	Drag Wt. Down:

Stage 1 - Primary

7 - 2,146 ft

CTU Used:	Top Plug Used: Y	Annular Flow:	Press. Prior to Bump: 650 (psi)
Circulate Prior:	Bottom Plug Used:	Ann Press Held: Y	Bump Press.: 990 (psi)
Circulate Flow Rate:	Bumped Plug: Y	Float Held: Y	Press. Over Pumping: 340 (psi)
Circulate Press:	Plug Catcher Used:	Pill Spotted Below Plug:	Duration Press. Held: 5.0 (min)

FRESH WATER

Pumping Start: 12:09	Slurry Type: SPACER	Total Slurry Volume: 0.0 (bbl)	Slurry Top MD:
Pumping End: 12:11	Class:	Excess Slurry Percent:	Slurry Btm MD:
Rate: 8.00 (bbl/min)	Density: 8.30 (ppg)	Excess Measured By:	Total Water Vol Used: 0.0 (bbl)
Foam Job:	Yield:	Mix Water Ratio:	Actual Sacks Used:
		Mix Method:	

LEAD CEMENT

Pumping Start: 12:12	Slurry Type: CEMENT	Total Slurry Volume: 202.6 (bbl)	Slurry Top MD:
Pumping End: 12:35	Class: 50/50 PREM	Excess Slurry Percent: 400.00 (%)	Slurry Btm MD:
Rate: 5.00 (bbl/min)	Density: 11.10 (ppg)	Excess Measured By:	Total Water Vol Used: 170.3 (bbl)
Foam Job:	Yield: 3.2500 (ft³/sk)	Mix Water Ratio: 20.440 (gal/sk94)	Actual Sacks Used: 350
		Mix Method:	
Additive Name	Additive Type	Additive Conc.	Additive Amount
CALC2	ACCELERATOR	2.000 % BWOC	20.00 Sacks
POL-E FLAKES	CIRCULATION LOSSES	0.250 lbs/sk	128.00 lbs

TAIL CEMENT

Pumping Start: 12:36	Slurry Type: CEMENT	Total Slurry Volume: 49.4 (bbl)	Slurry Top MD:
Pumping End: 12:46	Class: 50/50 PREM	Excess Slurry Percent: 400.00 (%)	Slurry Btm MD:
Rate: 5.00 (bbl/min)	Density: 13.20 (ppg)	Excess Measured By:	Total Water Vol Used: 35.5 (bbl)
Foam Job:	Yield: 1.8500 (ft³/sk)	Mix Water Ratio: 9.950 (gal/sk94)	Actual Sacks Used: 150
		Mix Method:	
Additive Name	Additive Type	Additive Conc.	Additive Amount
CALC2	ACCELERATOR	2.000 % BWOC	6.00 Sacks
POL-E FLAKES	CIRCULATION LOSSES	0.250 lbs/sk	38.00 lbs

FRESH WATER

Pumping Start: 12:49	Slurry Type: DISPLACEMENT	Total Slurry Volume: 0.0 (bbl)	Slurry Top MD:
Pumping End: 12:59	Class:	Excess Slurry Percent:	Slurry Btm MD:
Rate: 8.00 (bbl/min)	Density: 8.30 (ppg)	Excess Measured By:	Total Water Vol Used: 0.0 (bbl)
Foam Job:	Yield:	Mix Water Ratio:	Actual Sacks Used:
		Mix Method:	